

## CLAIMS

1. An image sensor module comprising:

a case;

5        a photoelectric converter positioned within the case  
and having a light receiving surface; and

a first optical unit provided within the case and  
forming an image of a subject on the light receiving  
surface;

10       wherein the image sensor module further comprises  
a second optical unit having a different light path to  
the first optical unit and provided within the case for  
forming an image of the subject on the light receiving  
surface of the photoelectric converter; and

15       switching is possible between imaging of the subject  
using the first optical unit and imaging of the subject  
using the second optical unit.

2. An image sensor module according to Claim 1, wherein  
20   the first and second optical units each have an  
image-forming lens, and a light path from the  
image-forming lens of the second optical unit to a first  
position where the image of the subject is formed is longer  
than a light path from the image-forming lens of the first  
25   optical unit to a second position where the image of the  
subject is formed.

3. An image sensor module according to Claim 1, wherein  
the first optical unit is employed for standard imaging,  
and the second optical unit is employed for standard  
imaging with a narrower view angle during imaging than  
5 the first optical unit, or for telescopic imaging.

4. An image sensor module according to Claim 2, wherein  
the photoelectric converter comprises an image sensor  
chip, and the image sensor chip is movable to the first  
10 and second positions.

5. An image sensor module according to Claim 4, further  
comprising a substrate on which the image sensor chip  
is mounted, and an operating mechanism for moving the  
15 substrate relative to the case to bring the image sensor  
chip to the first and second positions.

6. An image sensor module according to Claim 5, wherein  
the operating mechanism includes a cover attached to the  
20 substrate and enclosing the image sensor chip, and a guide  
provided on the case for slidably guiding the cover.

7. An image sensor module according to Claim 4, further  
comprising an optical filter passing only light of  
25 specific wavelengths proceeding to the image sensor chip,  
wherein the optical filter is movable together with the  
image sensor chip.

8. An image sensor module according to Claim 2, wherein the photoelectric converter comprises first and second image sensor chips positioned at the first and second positions, respectively.

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9. An image sensor module according to Claim 8, wherein on-off drive of the first and second image sensor chips is switchable.

10 10. An image sensor module according to Claim 2, wherein the first optical unit has an optical axis extending linearly from the image-forming lens to the first position, and the second optical unit has a bent optical axis extending from the image-forming lens to the second  
15 position.

11. An image sensor module according to Claim 10, wherein the second optical unit includes light-reflecting means for reflecting light an even number of times.

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12. An image sensor module according to Claim 11, wherein the light reflecting means has a first light reflecting surface for causing light proceeding in a first direction from a front side of the subject towards the case to be  
25 reflected in a second direction intersecting the first direction, and a second light reflecting surface for causing light from the first light receiving surface to

be reflected in the first direction towards the second position.

13. An image sensor module according to Claim 12, wherein  
5 the light-reflecting means includes a transparent member having a plurality of surfaces, two of the plurality of surfaces serving as the first and second light reflecting surfaces, the first and second light reflecting surfaces providing total reflection of light proceeding from the  
10 subject.

14. An image sensor module according to Claim 11, wherein the light-reflecting means includes a plurality of mirrors.

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15. An image sensor module according to Claim 12, wherein the first and second optical units mutually overlap in the second direction.

20 16. An image sensor module according to Claim 2, wherein the second optical unit has fewer lenses than the first optical unit.

17. An image sensor module according to Claim 2, wherein  
25 each of the first and second optical units has a light incident side provided with an aperture, and the aperture of the second optical unit has a larger opening than that

of the first optical unit.

18. An image sensor module according to Claim 2, wherein  
the image-forming lens of at least one of the first and  
5 second optical units is positionally adjustable in the  
optical axis direction.

19. An image sensor module according to Claim 2, wherein  
the second position is closer to the first position than  
10 it is to an incident optical axis of the second optical  
unit.

20. An image sensor module according to Claim 2, wherein  
an incident optical axis of the second optical unit is  
15 closer to the first position than it is to the second  
position.

21. An image sensor module according to Claim 1, further  
comprising a third optical unit provided in the case and  
20 having an optical path different from the optical paths  
of the first and second optical units for forming an image  
of the subject on the light receiving surface of the  
photoelectric converter, wherein switching to imaging  
of the subject using the third optical unit is possible  
25 in addition to imaging of the subject using the first  
and second optical units.

22. An image sensor module according to Claim 21, wherein the photoelectric converter comprises an image sensor chip, and the image sensor chip is movable to positions where images of the subject are formed in the first through  
5 third optical units.

23. An image sensor module according to Claim 21, wherein the photoelectric converter comprises first through third image sensor chips provided in corresponding relationship  
10 to the first through third optical units.

24. An image sensor module, comprising:

a case;

a substrate mounted at a bottom portion of the case;

15 an image sensor chip mounted on the substrate and having a light-receiving surface directed toward a front side of the case; and

an optical unit provided within the case and forming an image of a subject on the light-receiving surface;

20 wherein the optical unit has a first light reflecting surface for causing light proceeding in a first direction from the front side of the case towards the case to be reflected in a second direction intersecting the first direction, and a second light reflecting surface for  
25 causing light reflected by the first light reflecting surface to be reflected in the first direction towards the light receiving surface.